



PAVUS, a.s.

AUTHORIZED BODY 216
NOTIFIED BODY 1391
ACCREDITED CERTIFICATION BODY FOR
PRODUCTS N° 3041

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CLASSIFICATION REPORT FIRE RESISTANCE

The object of
classification:

*Partitions
as per ČSN EN 13501-2+A1:2010, cl. 7.5.2*

Identification number:

PK2-05-10-003-A-1

Name and type of
element:

Inner partition wall from MultiGips gypsum blocks, 60 mm thick

Sponsor:

VG-ORTH GmbH & Co.KG
Holeburgweg 24
37627 Stadtoldendorf
Germany

Issuing organization:

PAVUS, a.s.
Authorized Body 216
Notified Body 1391
Accredited certification body for products N° 304
- Accreditation issued by Czech Accreditation Institute, Public Service
- Certificate of Accreditation N° 479/2007

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1. INTRODUCTION

- 1.1. This Classification Report specifies classification method for the concerned element in conformity with the procedures set forth in ČSN EN 13501-2+A1.
- 1.2. This Classification Report has 4 pages and it can be used as a whole only.
- 1.3. The former Classification report no. PK2-05-10-003-A-0 as of November 18, 2010 is avoided and substituted by this one.

2. DETAILED INFORMATION ON THE ELEMENT TO BE CLASSIFIED

2.1. General

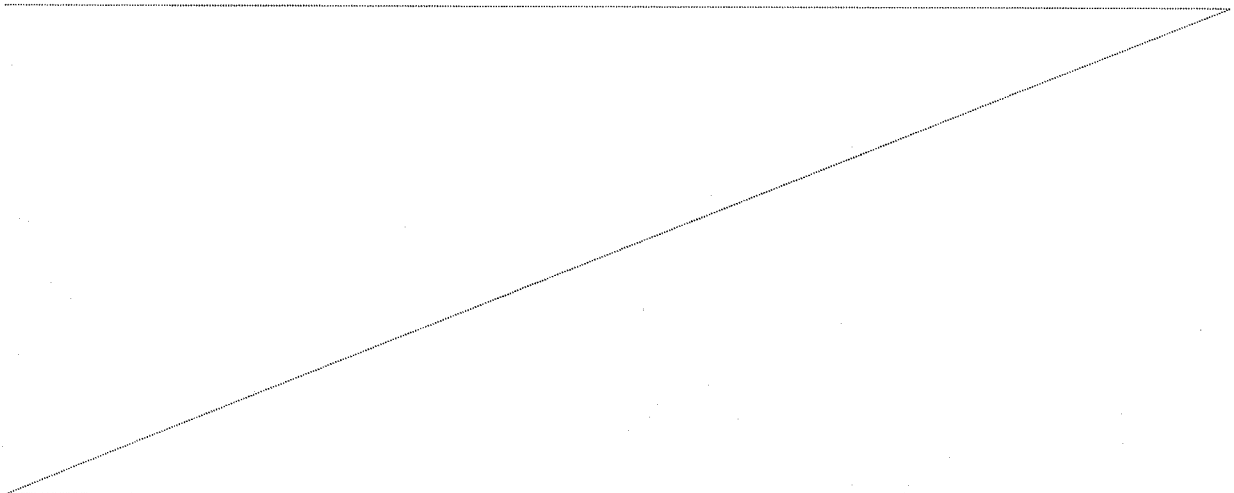
Inner partition wall from MultiGips gypsum blocks, 60 mm thick is defined as the non-bearing structure's element. It shall have a role of fire-separating structure with regard to the fire characteristics of the properties stated in clause 5 of ČSN EN 13501-2+A1.

2.2. Description

- ◆ a partition wall, 3000 mm high and 60 mm thick
- ◆ MultiGips G 60 gypsum blocks in dimensions of 666 x 500 x 60 mm, with groove and tongue vertical and horizontal joints
- ◆ Vertical and horizontal joints filled with MultiGips FG70 gypsum adhesive
- ◆ The bottom, upper, and side peripheral gap with insertion of a Heralan mineral wool band thickness of 13 mm, the band was applied with MultiGips kleber glue onto the wall structure, both sides of the gap were finished with MultiGips FG 70 putty
- ◆ Both sides of the wall were finished with MultiGips SG 90, 1 mm thick

Partition wall manufacturer: *VG-ORTH GmbH & Co.KG*

A detailed description of the product and the drawing is provided in the Test Report no. *Pr-11-2.053-En* as of *May 06, 2011*.



3. TESTS REPORTS / EXTENDED APPLICATION REPORTS AND TEST RESULTS USED FOR THIS CLASSIFICATION

3.1. Test reports / Extended application reports

Name of the Laboratory Address Accreditation number:	Sponsor of the Report	Report number Date of issue	Testing Procedure
PAVUS, a. s. Veselí nad Lužnicí Accr.T.Lab. No. 1026 Czech Republic	VG-ORTH GmbH & Co.KG Holeburgweg 24 37627 Stadtoldendorf Germany	Pr-11-2.053-En 2011-05-06	ČSN EN 1364-1

3.2. Stress conditions and test results

Testing Procedure, Report number Date of issue	Parameter	
ČSN EN 1364-1 Pr-11-2.053-En 2011-05-06	Fire scenario	Standard temperature/time curve
	Direction of fire exposure	Symmetrical structure
	Loading conditions	-
	Support and restrain conditions	Built into a structure opening of blocks YTONG P2-550, 250 mm in thickness, one free lateral edge of the test wall (not anchored)
	Integrity (E) - cotton pad - feeler gauges - sustained flaming	121 minutes, no damage 121 minutes, no damage 121 minutes, no damage
Insulation (I) - average temperature - maximum temperature	121 minutes, no damage 121 minutes, no damage	
Radiation (W) < 5 kW.m⁻² (not measured) - average temperature of 300 °C attainment time	121 minutes, no damage	

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference

This classification was carried out in conformity with ČSN EN 13501-2+A1:2010 cl. 7.

4.2. Classification

This element is classified according to the following combinations of the fire resistance class and property parameters.

EI 120

4.3. The field of application

Fire test results of the specimen - *Inner partition wall from MultiGips gypsum blocks, 60 mm thick* - can be applied directly in conformity with ČSN EN 13501-2+A1 and ČSN EN 1364-1 to the same structures to which one or more changes as stated below were carried out in such a manner that the structure still meets the applicable standard with its rigidity and stability:

- Reduction in wall height
- Reduction in wall width
- Increase in wall thickness
- Increase in thickness of partial materials
- Increase in wall width
- Increase in wall height up to 4 m for the wall classified up to the maximum of EI 90, for classification EI 120 it is not allowed to increase the wall height due to fast developing of cracks during the test and the danger of wall stability loss (see ČSN EN 1363-1 cl. A.2)
- Application of a different support structure of the same type - rigid, with low volumetric weight

5. RESTRICTIONS

The time limitation of this Classification Report's validity is 5 years since the issuance date of this Report.

This classification is valid, unless the conditions, under which it was issued, have been changed.

The customer may request the issuing authority to review the influence of changes to the classification validity.

This Report does substitute neither the type approval nor the product certificate.

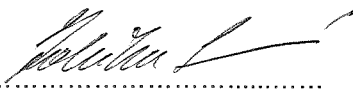
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